



UNITED STATES PATENT AND TRADEMARK OFFICE

cen

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/527,974	08/11/2005	Luiz Bacellar	OT-4967	7618
26584	7590	04/30/2007		
OTIS ELEVATOR COMPANY INTELLECTUAL PROPERTY DEPARTMENT 10 FARM SPRINGS FARMINGTON, CT 06032				
			EXAMINER	
			WYSOCKI, ANTHONY J	
			ART UNIT	PAPER NUMBER
			2837	
			MAIL DATE	DELIVERY MODE
			04/30/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/527,974	Applicant(s) BACELLAR ET AL.	
	Examiner Jonathan Salata	Art Unit 2837	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 March 2005 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>3-14-05</u> . | 6) <input type="checkbox"/> Other: ____ |

Art Unit: 2837



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND
TRADEMARKS
Washington, D.C. 20231

Paper No:20070424
Application No:10/527974
Filing Date: March 14,2005

1. The drawings are objected to because the blank rectangular boxes and/or merely numbered boxes of figures 1,2 must be labeled. Conventional features disclosed in the description and claims, where their detailed illustration is not essential for a proper understanding of the invention, should be illustrated in the form of a graphical drawing symbol or a labeled representation (e.g., a labeled rectangular box). see 37 CFR 1.83(a). It is further pointed out that merely numbering the boxes is not considered an appropriate label. Structural elements which can be understood by conventional graphical drawing elements are not required to be labeled. Electronic elements enclosed in a "black box" require consulting the text of the specification and thus require labeling. If the box is too small to label, an appropriate label with an arrow pointing towards the box is acceptable. Correction is required.

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Art Unit: 2837

3. Claims 1,3,4,7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schuster et al (6868945) and Crenella et al (6601679).

Schuster teaches in figures 1-10, an elevator user interface using a mobile telephone.

Nodes K1-K3 and cells Z1-Z3 provide a Bluetooth (which the examiner interprets to mean piconet) enabled wireless communication from the hallways, cage and lobby to the elevator control 2.

Schuster et al does not illustrate a interconnection of the piconet nodes but states that they must be at close range however lines are shown connecting the nodes in figure 2 but are not elaborated upon in the specification.

Crenella et al teaches that for a low power wireless system which interconnects the lights, gongs and floor position indicators with a high power transmitter for the connection to the elevator controller (all connected wirelessly). Such a system utilizes less power and a faster upgrade system as wires are not required. The units relay the signals from the initial node to the elevator controller.

Thus, to utilize a wireless relay system to reduce power and provide faster upgrades as well as different power strengths, would have been an obvious engineering design choice to one of ordinary skill in the art.

4. Claims 2,5,8-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schuster et al and Crenella et al as applied to claims 1,3,4,7 above, and further in view of Gozzo et al (6467585).

Schuster et al and Crenella et al do not illustrate a wireless safety chain.

Gozzo et al states that safety chain devices are known within the art relating to the doors and speed and position of the elevator car. The use of wireless safety chain devices allow for less wiring and power in the building and may be of any wireless type including high and low power.

Art Unit: 2837

Thus to include the wireless safety chain for less wiring and power in the wireless system of Schuster et al and Crenella et al would have been an obvious engineering design choice to one of ordinary skill in the art.

The cell phone (PDA) illustrates the communication to the user see figures 2-10.

Crenella et al illustrates the light, gong and directional components.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Schuster, Zepke et al., Nagura et al., Herkel et al., Zaharia et al and Cummings are cited to illustrate similar elevator communication systems..

A shortened statutory period for response to this action is set to expire 3 months from the date of this letter.

Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

Any inquiry of a **general nature** should be directed to the **Group receptionist whose telephone number is (571) 272-2800.**

Information regarding the STATUS of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either private PAIR or public PARI. Status information for unpublished applications is available through Private PAIR ONLY. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Any questions on access to PAIR, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Papers related to this application may be submitted to Group 2800 by facsimile transmission. Papers should be faxed to Group 2800 via the PTO 2800 Fax Center. The faxing of such papers must conform with the notice published in the Official Gazette, 1096 O.G. 30 (November 15, 1989). The Fax Center number is (571) 273-8300.

For assistance in **Patent procedure, fees or general Patent questions** calls should be directed to the **Inventors Assistance Center (IAC) whose telephone number is 800-PTO-9199 or 800-786-9199**. Assistance is also available on the Internet at www.uspto.gov.

For requesting copies of Cited Art, Office Actions or the like, response to Status Letters, lost papers or files or General Problem solving, calls should be directed to the TC 2800 Customer Service Office whose telephone number is 571-272-2800 or by fax at 571-273-8300.

Any inquiry concerning **this communication or earlier communications from the examiner** should be directed to **Jonathan Salata whose telephone number is (571) 272-2073**. The examiner does not have as detailed access as the previously listed numbers with regard to status or general problem solving. The examiner can normally be reached on Monday through Thursday from 7:30 am to 2:30 pm.

Art Unit: 2837

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lincoln Donovan, can be reached on (571) 272-2800 ext 27.

ajs

April 24, 2007



JONATHAN SALATA
PRIMARY EXAMINER
ART UNIT 2837